

LISTING OF CLAIMS

What is claimed is:

1. (Currently Amended) A bridge apparatus for a building automation system comprising:

a building automation system controller;

a first network controller operatively associated with the building automation system controller, the first network controller connecting the bridge to a local area network;

a second network controller operatively associated with the building automation system controller, the second network controller connecting the bridge to a subnetwork; and

a processor-executed program code ~~computer-readable program code~~ provided in computer-readable storage operatively associated with the building automation system controller, the ~~computer-readable~~ processor-executed program code including:

program code for receiving configuration information via the local area network; and

program code for configuring an automation device connected to the subnetwork based on the configuration information.

2. (Currently Amended) The bridge apparatus of claim 1, wherein the ~~computer-readable~~ processor-executing program code further includes program code for assigning a dynamic address to the automation device in the subnetwork.

3. (Currently Amended) The bridge apparatus of claim 1, wherein the ~~computer-readable~~ processor-executing program code further includes program code for receiving updated configuration information via the local area network for the automation device in the subnetwork.

4. (Currently Amended) The bridge apparatus of claim 1, wherein the ~~computer-readable~~ processor-executing program code further includes program code for maintaining a map of automation devices in the subnetwork.

5. (Currently Amended) The bridge apparatus of claim 1, wherein the ~~computer-readable~~ processor-executing program code further includes program code for automatically updating the map if an automation device is added to the subnetwork.

6. (Currently Amended) The bridge apparatus of claim 1, wherein the ~~computer-readable~~ processor-executing program code further includes program code for operating automation devices in a vacation mode.

7. (Currently Amended) The bridge apparatus of claim 1, wherein the ~~computer-readable~~ processor-executing program code further includes program code for updating firmware at the device in the subnetwork.

8. (Currently Amended) The bridge apparatus of claim 1, wherein the ~~computer-readable~~ processor-executing program code further includes program code for resetting a device in the subnetwork.

9. (Original) A building automation system comprising:

- a local area network;

- a subnetwork for connecting at least one automation device;

- a first bridge connecting the subnetwork to the local area network;

- a second bridge connecting the subnetwork to the local area network, wherein at least one of the bridges connects the subnetwork to the local area network even if the other bridge is offline.

10. (Original) The building automation system of claim 9, wherein at least one of the bridges is communicatively coupled to at least one automation device even if the subnetwork includes a break.

11. (Original) The building automation network of claim 9, wherein the subnetwork is a CAN bus.

12. (Original) The building automation network of claim 9, wherein the local area network is an Ethernet network.

13. (Original) The building automation network of claim 9, further comprising a plurality of subnetworks connected to the local area network by a plurality of bridges.

14. (Currently Amended) A method comprising:

connecting a first bridge to a local area network;

connecting the first bridge to a subnetwork of building automation devices;

connecting a second bridge to a local area network;

connecting the second bridge to the same subnetwork of building automation devices;

receiving configuration information at the bridge or bridges via the local area network; and

configuring a ~~an~~ building automation device in the subnetwork based on the configuration information received at the bridge or bridges.

15. (Currently Amended) The method of claim 14, further comprising assigning a dynamic address to the building automation device in the subnetwork.

16. (Currently Amended) The method of claim 14, further comprising receiving updated configuration information via the local area network for the building automation device in the subnetwork.

17. (Currently Amended) The method of claim 14, further comprising maintaining a map of building automation devices in the subnetwork.

18. (Currently Amended) The method of claim 14, further comprising automatically updating a map of building automation devices in the subnetwork if a ~~an~~ building automation device is added to the subnetwork.

19. (Currently Amended) The method of claim 14, further comprising operating building automation devices in a vacation mode.

20. (Currently Amended) The method of claim 14, further comprising resetting a building automation device in the subnetwork.

21. (Original) The method of claim 14, further comprising isolation of a fault in the subnetwork.

22. (Original) The method of claim 14, further comprising automatic rerouting of subnetwork traffic if a subnetwork fails.